

Comparisons of Job Characteristics

Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)

Associated Occupation: Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)
Associated Occupation: Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	15.6	15.0	0 Current knowledge level may be sufficient
Mathematics	9.2	14.5	13.9	0 Current knowledge level may be sufficient
Production and Processing	6.0	11.8	10.2	< Expanded education and/or training may be required
Design	5.2	10.0	10.4	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	10.8	9.2	< A higher skill level may be required
Quality Control Analysis	5.9	8.1	8.9	0 Current skill level may be sufficient
Troubleshooting	4.5	6.6	6.6	0 Current skill level may be sufficient
Equipment Maintenance	3.5	5.2	6.2	> Skill level is likely sufficient
Repairing	3.4	5.2	5.1	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)

Associated Occupation: Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	11.0	11.9	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	10.8	10.2	0	Current ability level may be sufficient
Finger Dexterity	7.6	10.6	10.3	0	Current ability level may be sufficient
Selective Attention	8.7	10.5	8.5	<	Some improvement in abilities may be required
Manual Dexterity	6.5	10.4	8.5	<	Some improvement in abilities may be required
Reaction Time	4.8	9.6	10.1	0	Current ability level may be sufficient
Auditory Attention	5.9	8.3	6.0	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	7.9	6.2	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 100

Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)

Associated Occupation: Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Compute production, construction, or installation specifications	58
Examine products or work to verify conformance to specifications	15
Install equipment or attachments on machinery or related structures	48
Load or unload material or workpiece into machinery	34
Maintain or repair industrial or related equipment/machinery	39
Monitor production machinery/equipment operation to detect problems	27
Operate hoist, winch, or hydraulic boom	34
Operate metal or plastic fabricating equipment/machinery	54
Read blueprints	10
Read production layouts	66
Read specifications	23
Read technical drawings	7
Recognize characteristics of metals	62
Set up computer numerical control machines	69
Set up production equipment or machinery	51
Understand machine setup instructions	74
Understand technical operating, service or repair manuals	6

Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: n/a
Focus Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034) Associated Occupation: Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)		
Tools and Technologies		Exclusivity
Tools and technology data is unavailable for one or both occupations.		

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.